

ROBUST PACKET ARRIVAL TIME DETECTOR
USING ESTIMATED SIGNAL POWER

ABSTRACT OF THE DISCLOSURE

5 A robust packet arrival time detector using a power estimate to validate a packet arrival time measurement. A packet arrival time measurement is considered valid when the value of the power estimate signal indicates that a packet is being received. A power estimator comprises a bandpass filter, a Hilbert transform, two squaring devices, an adder, and a lowpass filter.